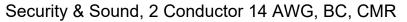


Product: <u>5100FE</u> ☑





Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-14 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:			Intercom/PA	Systems,	Sound/Audio	Systems, F	ire Alarm S	ystems	
hysical C	harac	teristics	(Overall)						
onductor									
				lu e					
Element	AWG	Stranding	Material	No. of Co	nductors				
Conductor(s)	14	19x27	BC - Bare Copper	2					
Conductor Count:		:	2						
nsulation									
Element	N	laterial	Nominal Wall Th	nickness					
Conductor(s)	PP - P	olypropylene	0.011 in						

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	Solid

Outer Jacket Material

Material		Nominal Diameter	Nominal Wall Thickness	Ripcord
	PVC - Polyvinyl Chloride	0.234 in	0.017 in	Yes

Construction and Dimensions

Cabling

Lay Direction	Twists	
Left Hand	4.4 twist/ft	

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.54 Ohm/1000ft	10 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield		
54 pF/ft	97.25 pF/ft		

Inductance

Nominal Inductance 0.15 µH/ft

Current

Element	Max. Recommended Current [A]		
10C Temperature Rise	Per conductor @ 25°C ambient: 8 A		

Voltage

UL Voltage Rating 300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:		45.8 lbs/1000ft
	Max Recommended Pulling Tension:	125.4 lbs
	Min Bend Radius/Minor Axis:	2.25 in

Standards

NEC Articles:	725, 760
NEC/(UL) Specification:	CL3R, FPLR
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2003/96/EC (BFR):	Yes		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU Directive 2012/19/EU (WEEE):	Yes		
EU Directive 2015/863/EU:	Yes		
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)		
EU CE Mark:	Yes		
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01		
MII Order #39 (China RoHS):	Yes		

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6100FH

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
5100FE.00152	Chrome	Reel	152 m	8719605007704
5100FE.00305	Chrome	Reel	305 m	8719605007728
5100FE.001000	Chrome	Reel	1,000 m	8719605007698

5100FE 008500	Gray	Reel	500 ft	612825156222
5100FE 0081000	Gray	Reel	1,000 ft	612825156246
5100FE 008U1000	Gray	UnReel	1,000 ft	612825423591
5100FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825156260
5100FE.003000	Gray	Reel	3,000 m	8719605007711
5100FE 0021000	Red	Reel	1,000 ft	612825423584
5100FE 002Z1000	Red	ReelTuff Box	1,000 ft	612825156239

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.295 Revision Date: 05-11-2020

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